Amendment to the Claims

Kindly cancel claims 5, 15 and 26, and amend claims 1, 6-8, 10-11, 16-18, 20-22, 27-29 and 31 as set forth below. In compliance with the Revised Amendment Format published in the Official Gazette on February 25, 2003, a complete listing of claims is provided herein. The changes in the amended claims are shown by strikethrough (for deleted matter) and underlining (for added matter).

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1. (Currently Amended) A method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors; ~~and~~

automatically determining based on workload of the logical partition that said configuration is to be adjusted; and

dynamically adjusting the configuration.

2. (Original) The method of claim 1, wherein said dynamically adjusting is in response to workload of said logical partition.

3. (Original) The method of claim 1, wherein said dynamically adjusting comprises increasing a number of logical processors allocated to said logical partition.

4. (Original) The method of claim 1, wherein said dynamically adjusting comprises decreasing a number of logical processors allocated to said logical partition.

5. (Canceled)

6. (Currently Amended) The method of claim ~~5~~ 1, wherein said automatically determining is performed at a plurality of time intervals.

7. (Currently Amended) The method of claim ~~5~~ 1, wherein said automatically determining comprises using a predefined equation in making the determination.

8. (Currently Amended) ~~The method of claim 7, wherein said predefined equation comprises~~ A method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors;

determining that said configuration is to be adjusted, said determining comprising using a predefined equation in making the determination, the predefined equation comprising:

L=floor[max(W,U)*P+1.5], wherein

L=number of logical processors configured to said logical partition;

W=percentage of central processor capacity assigned to said logical partition;

U=percentage of central processor capacity currently being utilized by said logical partition; and

P=number of physical processors that can be allocated on the central processor associated with said logical partition; and

dynamically adjusting the configuration.

9. (Original) The method of claim 8, wherein said equation is subject to a maximum of L=P.

10. (Currently Amended) The method of claim 7, wherein said automatically determining further comprises comparing a result of said predefined equation with one or more thresholds to determine whether the adjustment is to be made.

11. (Currently Amended) A system of managing logical processors of a computing environment, said system comprising:

means for configuring a logical partition of said computing environment with one or more logical processors; ~~and~~

means for automatically determining based on workload of the logical partition that said configuration is to be adjusted; and

means for dynamically adjusting the configuration.

12. (Original) The system of claim 11, wherein said means for dynamically adjusting is in response to workload of said logical partition.

13. (Original) The system of claim 11, wherein said means for dynamically adjusting comprises means for increasing a number of logical processors allocated to said logical partition.

14. (Original) The system of claim 11, wherein said means for dynamically adjusting comprises means for decreasing a number of logical processors allocated to said logical partition.

15. (Canceled)

16. (Currently Amended) The system of claim ~~15~~ 11, wherein the automatically determining is performed at a plurality of time intervals.

17. (Currently Amended) The system of claim ~~15~~ 11, wherein said means for automatically determining comprises means for using a predefined equation in making the determination.

18. (Currently Amended) ~~The system of claim 17, wherein said predefined equation comprises:~~ A system of managing logical processors of a computing environment, said system comprising:

means for configuring a logical partition of said computing environment with one or more logical processors;

means for determining that said configuration is to be adjusted, said means for determining comprising means for using a predefined equation in making the determination, the predefined equation comprising:

L=floor[max(W,U)*P+1.5], wherein

L=number of logical processors configured to said logical partition;

W=percentage of central processor capacity assigned to said logical partition;

U=percentage of central processor capacity currently being utilized by said logical partition; and

P=number of physical processors that can be allocated on the central processor associated with said logical partition; and

means for dynamically adjusting the configuration.

19. (Original) The system of claim 18, wherein said equation is subject to a maximum of L=P.

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20. (Currently Amended) The system of claim 17, wherein said means for automatically determining further comprises means for comparing a result of said predefined equation with one or more thresholds to determine whether the adjustment is to be made.

21. (Currently Amended) A system of managing logical processors of a computing environment, said system comprising:

~~a processor adapted to configure a logical partition of said computing environment with one or more logical processors; and~~

one or more processors adapted to automatically determine based on workload of a logical partition that a configuration of the logical partition having one or more logical processors is to be adjusted and to dynamically adjust the configuration.

~~a processor adapted to dynamically adjust the configuration.~~

22. (Currently Amended) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors; ~~and~~

automatically determining based on workload of the logical partition that said configuration is to be adjusted; and

dynamically adjusting the configuration.

23. (Original) The at least one program storage device of claim 22, wherein said dynamically adjusting is in response to workload of said logical partition.

24. (Original) The at least one program storage device of claim 22, wherein said dynamically adjusting comprises increasing a number of logical processors allocated to said logical partition.

25. (Original) The at least one program storage device of claim 22, wherein said dynamically adjusting comprises decreasing a number of logical processors allocated to said logical partition.

26. (Canceled)

27. (Currently Amended) The at least one program storage device of claim ~~26~~ 22, wherein the automatically determining is performed at a plurality of time intervals.

28. (Currently Amended) The at least one program storage device of claim ~~26~~ 22, wherein said automatically determining comprises using a predefined equation in making the determination.

29. (Currently Amended) ~~The at least one program storage device of claim 28, wherein said predefined equation comprises:~~ At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors;

determining that said configuration is to be adjusted, said determining comprising using a predefined equation in making the determination, the predefined equation comprising:

L=floor[max(W,U)*P+1.5], wherein

L=number of logical processors configured to said logical partition;

W=percentage of central processor capacity assigned to said logical partition;

U=percentage of central processor capacity currently being utilized by said logical partition; and

P=number of physical processors that can be allocated on the central processor associated with said logical partition; and

dynamically adjusting the configuration.

30. (Original) The at least one program storage device of claim 29, wherein said equation is subject to a maximum of L=P.

31. (Currently Amended) The at least one program storage device of claim 28, wherein said automatically determining further comprises comparing a result of said predefined equation with one or more thresholds to determine whether the adjustment is to be made.